

FIG. 2B

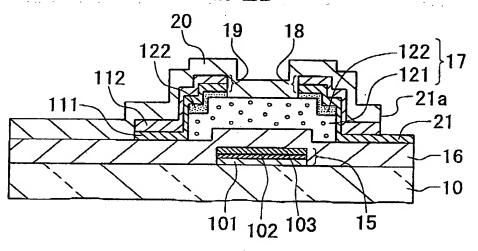


FIG. 2C

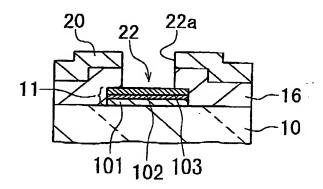
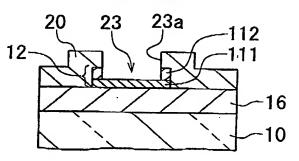
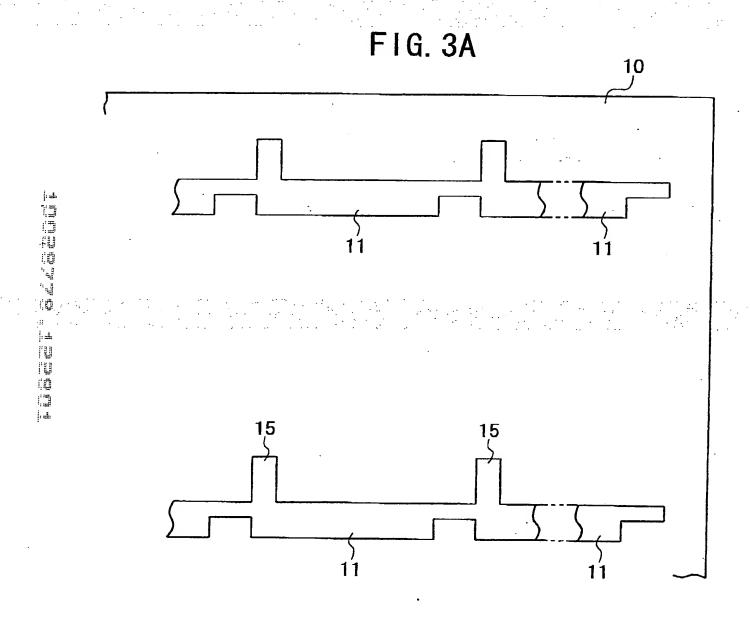


FIG. 2D





The first street street street is the street street

FIG. 3B

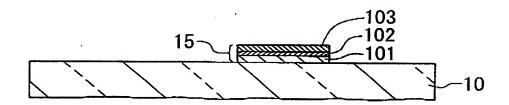


FIG. 3C

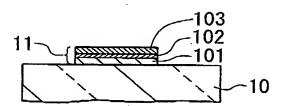


FIG. 3D



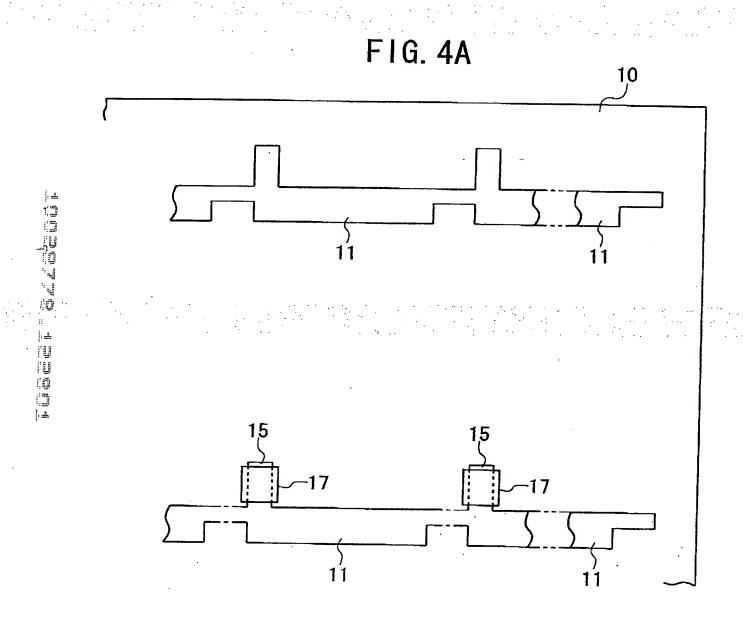


FIG. 4B

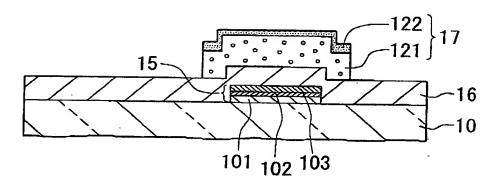


FIG. 4C

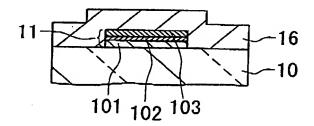
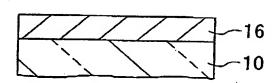


FIG. 4D



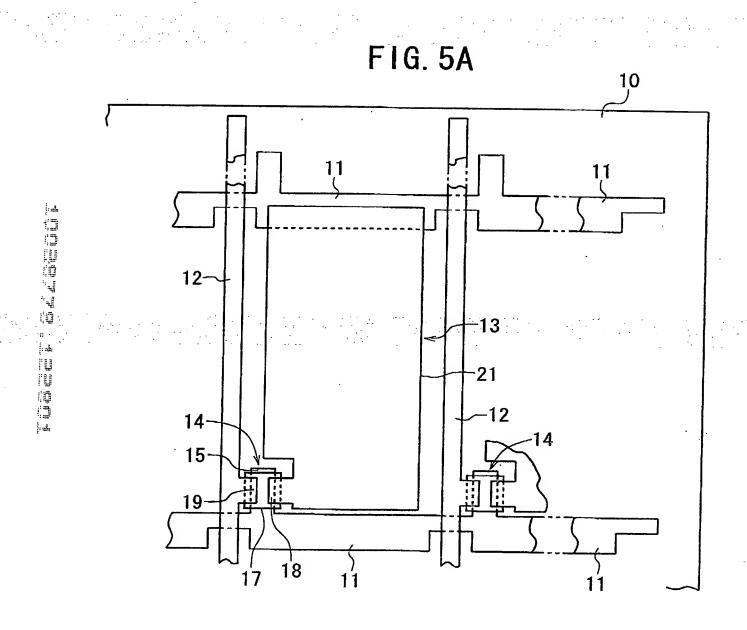


FIG. 5B

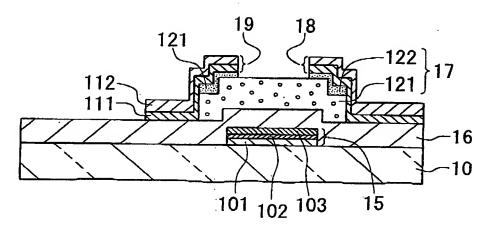


FIG. 5C

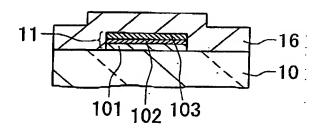
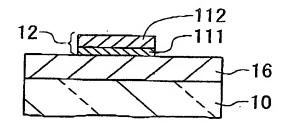


FIG. 5C



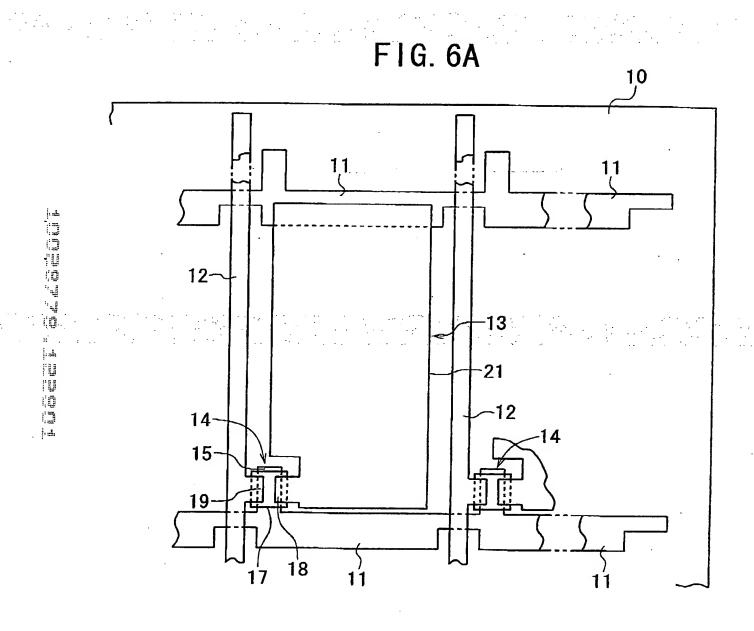


FIG. 6B

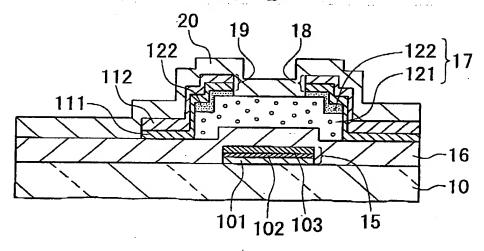


FIG. 6C

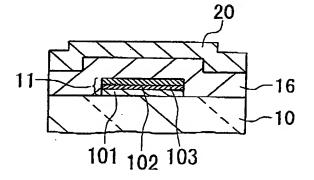


FIG. 6D

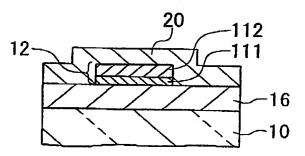
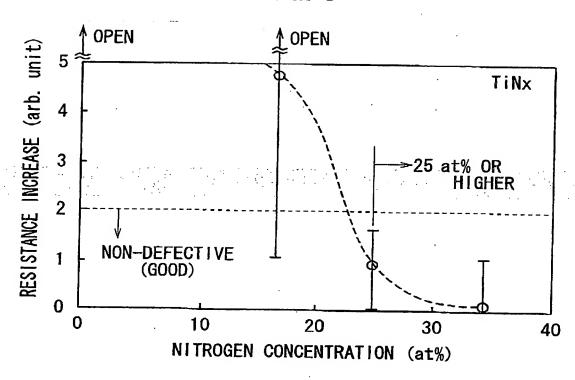


FIG. 7

No.	MULTILEVEL STRUCTURE (THICKNESS UNIT:nm)	HEAT TREATMENT	Al HILLOCK NUMBER (pieces/mm²)
1	TiN(100) /AI (200)		6410
2	TiN(50)/Ti(50)/AI(200)	-	26
3	TiN (100) /Ti (50) /AI (200)	N ₂ ATMOSPHERE	~4
4	TiN(100)/Ti(100)/AI(200)	300°C, 1Hr -	~1
5	TiN(50)/AI(200)/Ti(30)		0
6	TiN(100)/AI(200)/Ti(30)		0

FIG. 8



F 4 C C C

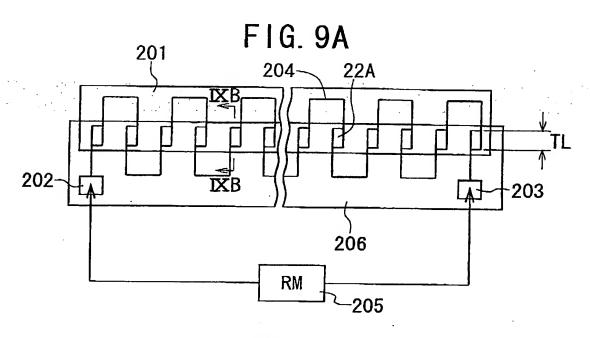


FIG. 9B

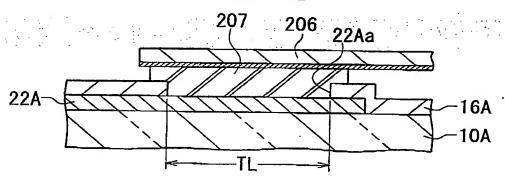
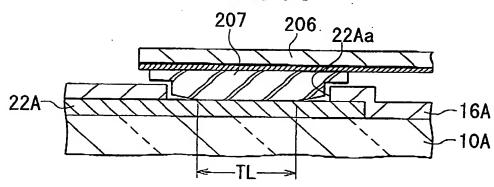


FIG. 9C



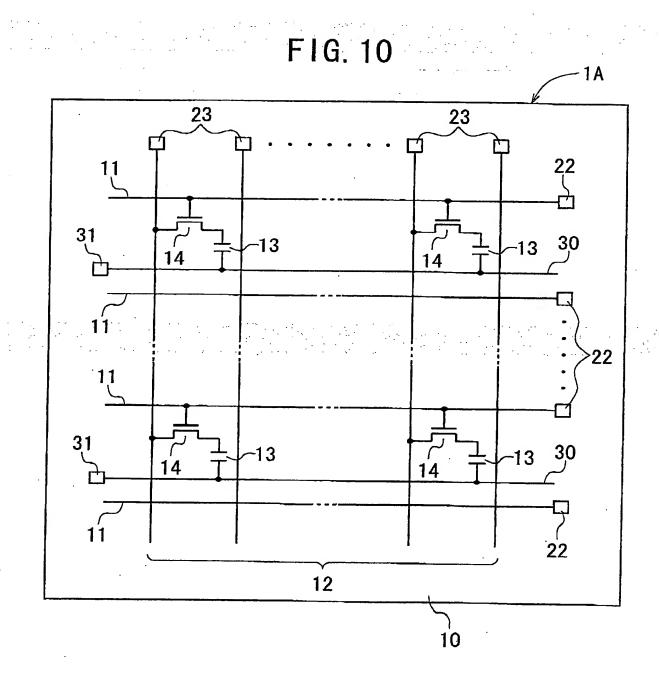


FIG. 11B

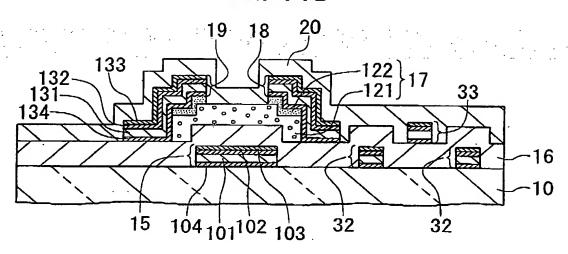
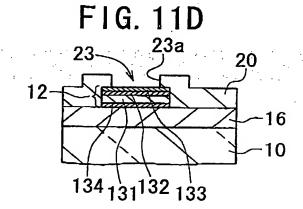
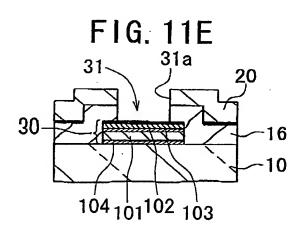


FIG. 11C
22a
20
11
104
101
102
103

计机间弧弧矩





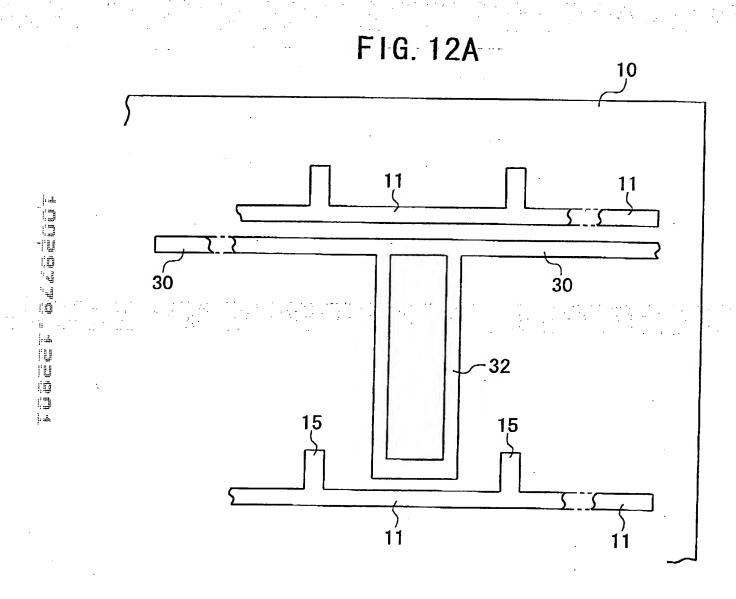


FIG. 12B

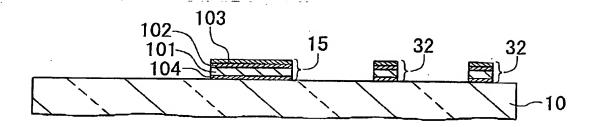


FIG. 12C

FIG. 12D

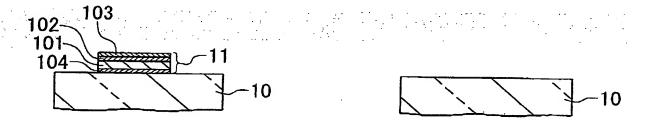
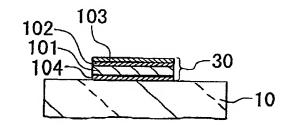


FIG. 12E



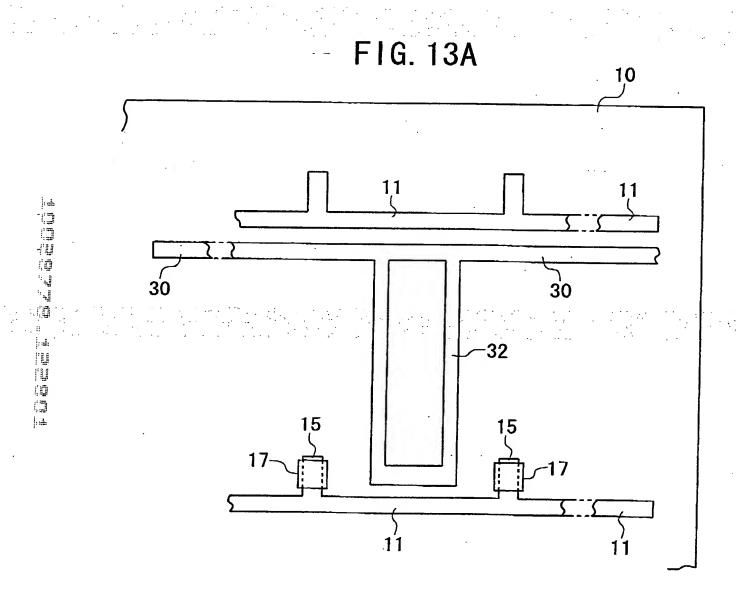


FIG. 13B

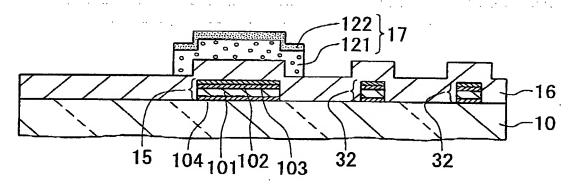
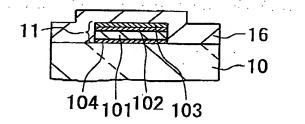


FIG. 130

FIG. 13D



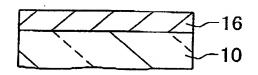
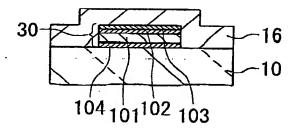


FIG. 13E



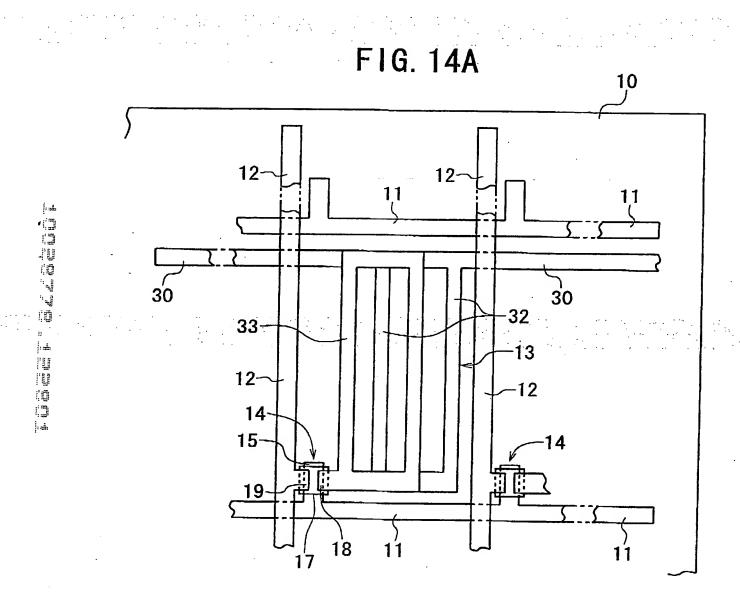


FIG. 14B

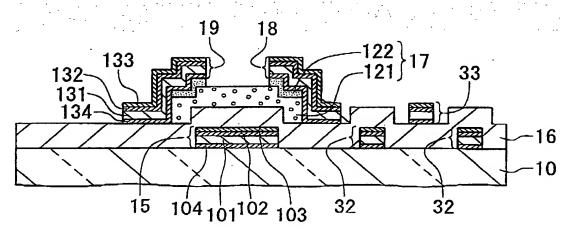


FIG. 14C

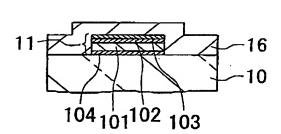


FIG. 14D

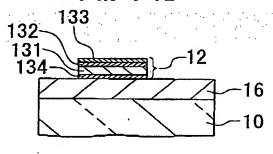


FIG. 14E

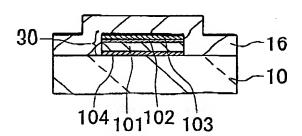


FIG. 15B

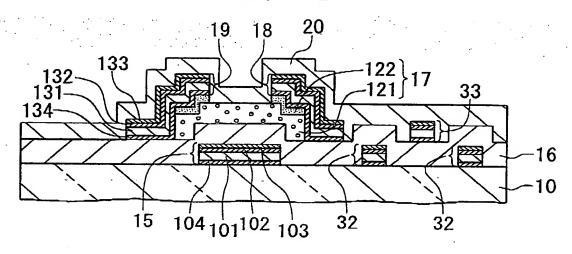


FIG. 15C

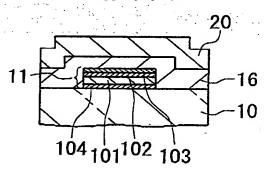


FIG. 15D

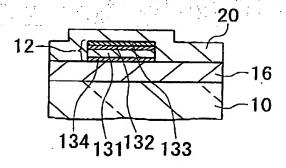


FIG. 15E

